

## Geographic Spread



South Carolina reported **widespread activity** this week. This is the **first** week at widespread activity.

## Influenza Activity



Overall, there was an **increase** in influenza activity this week.

## Regional Influenza Activity



Increase



No change



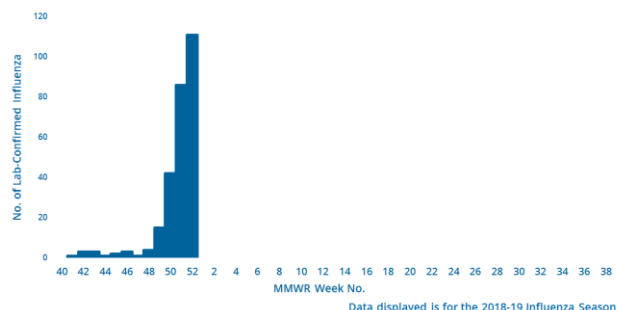
Increase



Increase

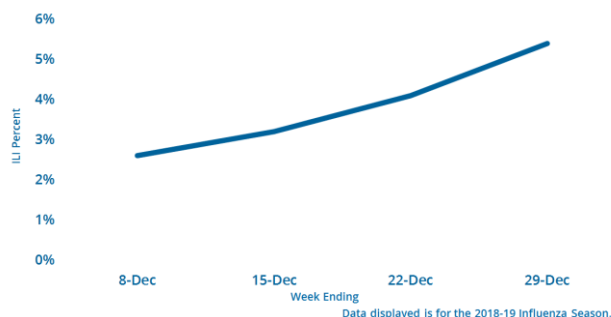
## Virologic Surveillance

This week there were **111** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there has been **275** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **5.38%**, which is **above** South Carolina's baseline (**3.53%**). The ILI activity level overall was **high**.



## Influenza-Associated Hospitalizations

This week **76** influenza-associated hospitalizations were reported by **39** hospitals. The cumulative hospitalization rate is **6.2 per 100,000**. In the current flu season, there have been **313** influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week **0** influenza-associated deaths were reported. The cumulative mortality rate is **0.2 per 100,000**. In the current flu season, there have been **11** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

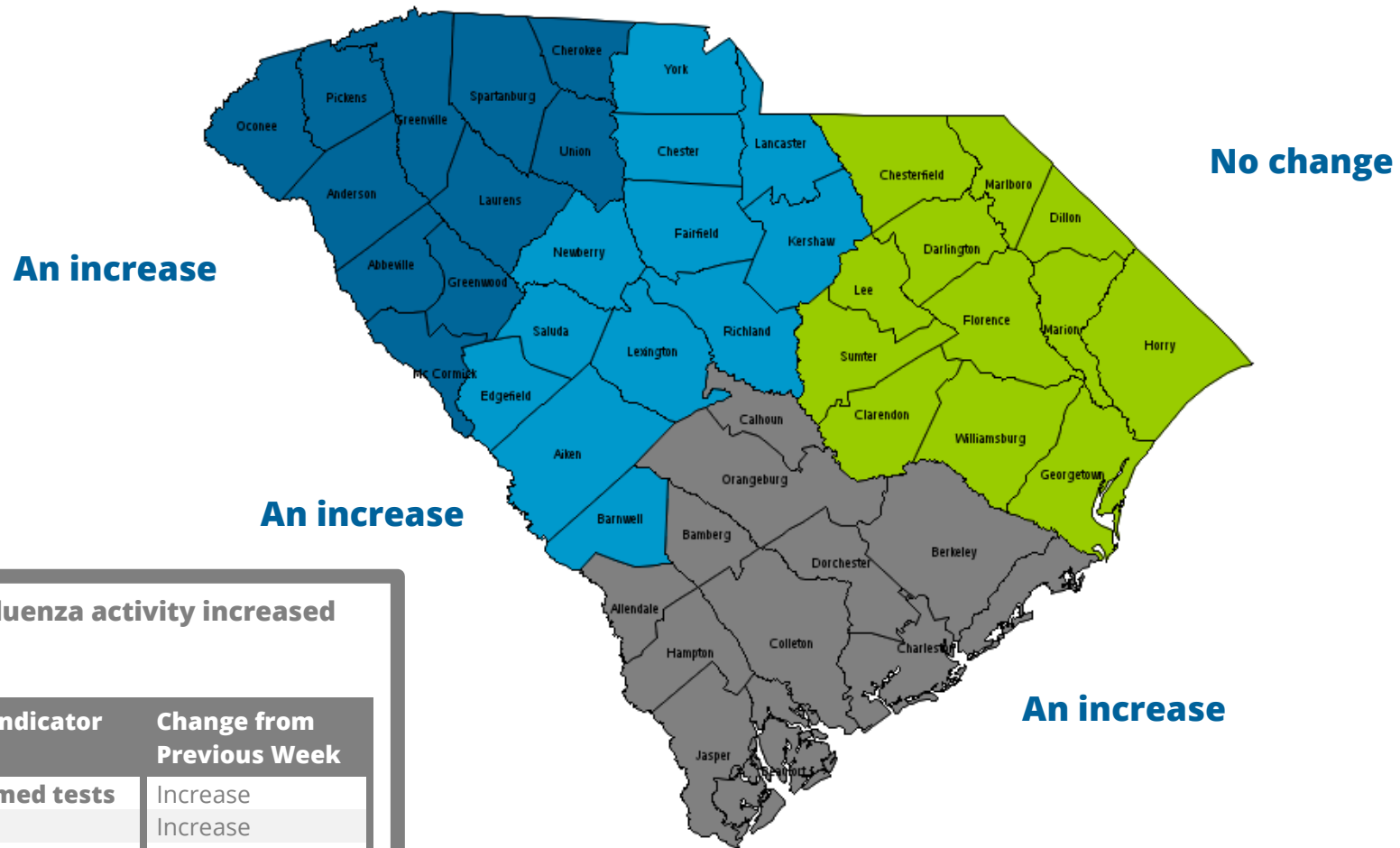
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

# Influenza Activity\*

In the 4 Public Health Regions, activity showed...



Overall influenza activity increased statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Increase
ILI Percent	Increase
Hospitalizations	Increase

\*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

# Virologic Surveillance

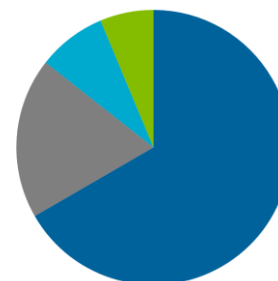
Influenza Type	Season Totals To Date				
	This Week	2018-19	2017-18	2016-17	5 season average
<b>Overall</b>	<b>111</b>	<b>275</b>	<b>379</b>	<b>111</b>	<b>203</b>
<b>Influenza A</b>	<b>104 (93.7)</b>	<b>249(90.5)</b>	<b>322(83.5)</b>	<b>77(69.4)</b>	<b>181(89.2)</b>
A(H3)	9(8.6)	23(9.2)	96(29.8)	42(54.5)	62(34.2)
A(H1N1)	21(20.2)	60(24.1)	21(6.5)	1(1.3)	45(25.1)
A(NS)*	74(71.2)	166(66.7)	205(63.7)	34(44.2)	74(40.7)
<b>Influenza B</b>	<b>7 (6.3)</b>	<b>26(9.5)</b>	<b>57(16.5)</b>	<b>34(30.6)</b>	<b>22(10.8)</b>
B (Victoria)	--	--	--	--	0
B (Yamagata)	--	--	10(17.5)	--	2(9.1)
B (LND)*	7(100)	26(100)	47(82.5)	34(100)	20(90.9)

\*NS - not subtyped

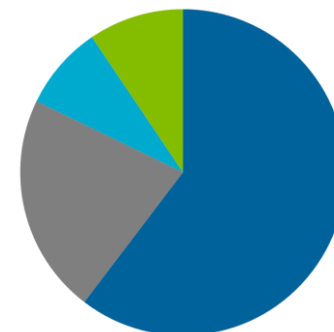
\*LND - lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

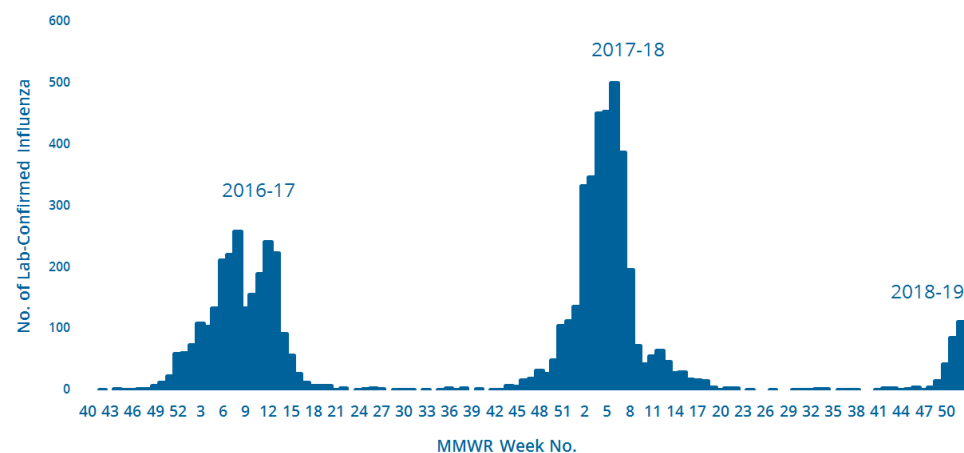
Week ending 12/29



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



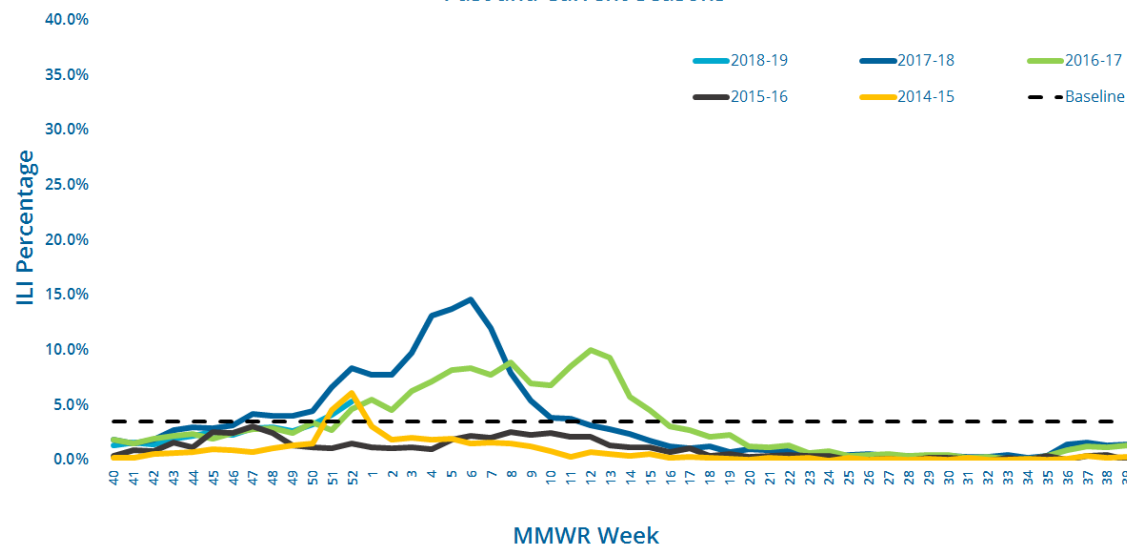
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and **5.38%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **above** the state baseline, **3.53%**.

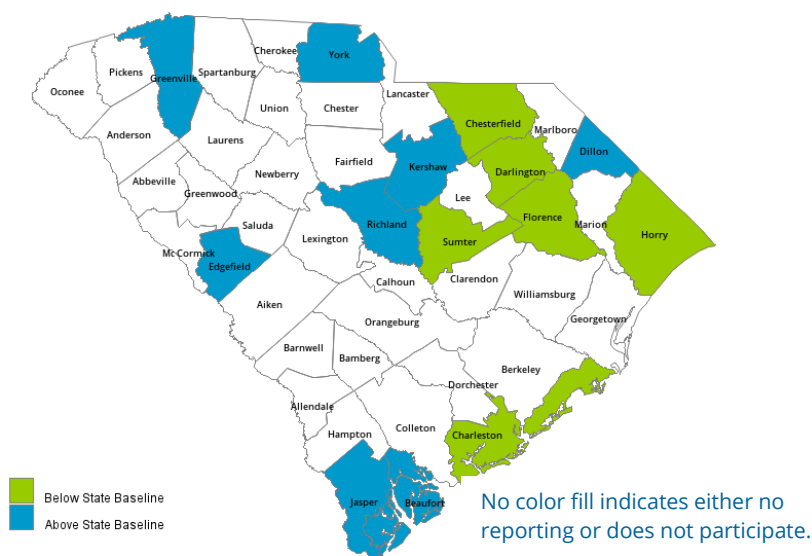
Reports were received from providers in 14 counties, representing all DHEC Public Health regions.

\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\*

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

# Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
<b>This Week</b>	76(1.5)	4(1.4)	1(0.1)	19(0.9)	25(2.5)	27(3.1)
<b>2018-19</b>	313(6.2)	21(7.2)	11(1.4)	60(2.9)	91(9.1)	131(15.2)
<b>2017-18</b>	542(10.8)	26(8.9)	26(3.2)	74(3.6)	108(10.8)	308(35.6)
<b>2016-17</b>	191(3.9)	11(3.8)	8(1.0)	37(1.8)	52(5.2)	83(10.0)
<b>5 season average</b>	547(11.2)	40(13.6)	28(3.5)	97(4.8)	123(12.6)	259(33.1)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
<b>This Week</b>	--	--	--	--	--	--
<b>2018-19</b>	11(0.2)	1(0.3)	--	1(0.0)	4(0.4)	5(0.6)
<b>2017-18</b>	19(0.4)	--	--	--	2(0.2)	17(2.0)
<b>2016-17</b>	5(0.1)	--	--	1(0.0)	--	4(0.5)
<b>5 season average</b>	14(0.3)	0	0	2(0.1)	2(0.2)	10(1.3)

Influenza-Associated Deaths by Region

